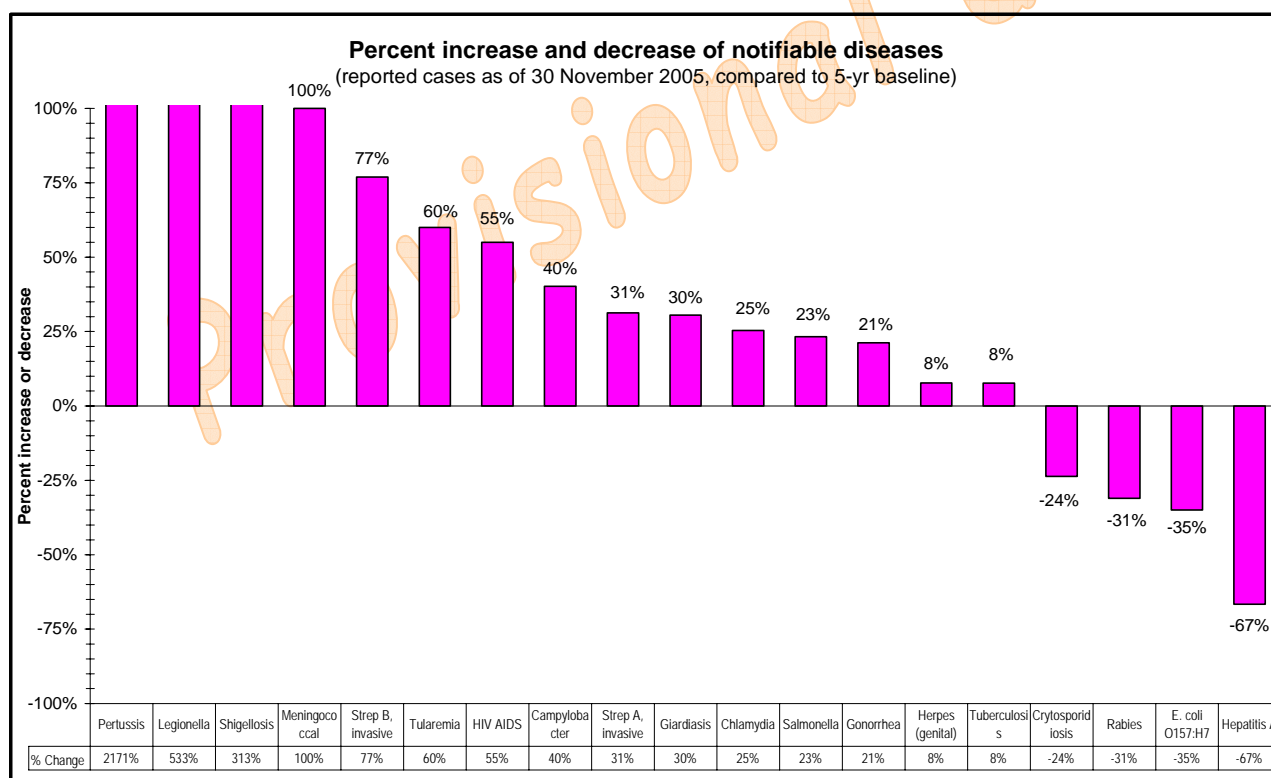


SOUTH DAKOTA INFECTIOUS DISEASE SUMMARY: 1 January – 30 November 2005**These data are provisional.**

Year-to-date on 30 November 2005, increases $\geq 50\%$ were observed over 5-year median for Pertussis (+2171%), Legionellosis (+600%), Shigellosis (+313%), Meningococcal disease (100%), Invasive Streptococcus B (+77%), Tularemia (+60%) and HIV/AIDS (+55%).

Disease/agent	Nov cases	Cases YTD 11/30/05	Incidence YTD 11/30/05	5-year median cases	Percent increase/decrease	Comments
Pertussis	0	159	20.6	7	2171%	Highest rate in Central Region
Legionnaires disease	5	19	2.5	3	533%	17 cases in West, 1 in Central and Southeast
Shigellosis	27	66	8.6	16	313%	Highest incidence in Central Region
Meningococcal	1	4	0.5	2	100%	1 case in November in Southeast Region
Strep B, invasive	7	23	3.0	13	77%	7 cases in November
Tularemia	1	8	1.0	5	60%	75% of cases in Central Region
HIV/AIDS	0	31	4.0	20	55%	Highest incidence in Southeast Region
Campylobacter	16	237	30.7	169	40%	High rate in Central Region
Strep A, invasive	1	21	2.7	16	31%	1 case reported in November
Giardiasis	22	107	13.9	82	30%	High incidence in Southeast Region
Chlamydia	202	2518	326.6	2009	25%	High incidence in Central and West Region
Salmonella	17	143	18.6	116	23%	High incidence in Southeast Region
Gonorrhea	19	314	40.7	259	21%	High incidence in Central Region
Herpes (genital)	30	321	41.6	298	8%	High incidence in West Region
Tuberculosis	3	14	1.8	13	8%	3 new cases reported in November
Cryptosporidiosis	5	29	3.8	38	-24%	All cases East River.
Rabies (as of 31 Oct)	No data	60	NA	87	-31%	38+ skunks, 12+ cattle, 4+ horses, 2+ bats, 2+ dogs, 2+ cats.
E. coli O157:H7	3	26	3.4	40	-35%	Unusual to have 3 cases in November.
Hepatitis A	1	1	0.1	3	-67%	First case of the year reported in November.
Hantavirus	0	2	<1	1	NA	1 case each in West and Central.
Syphilis	1	1	<1	0	NA	1 case this year in Southeast.



Incidence = cases reported per 100,000 population.

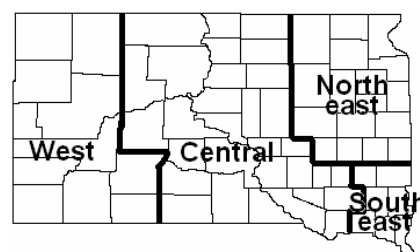
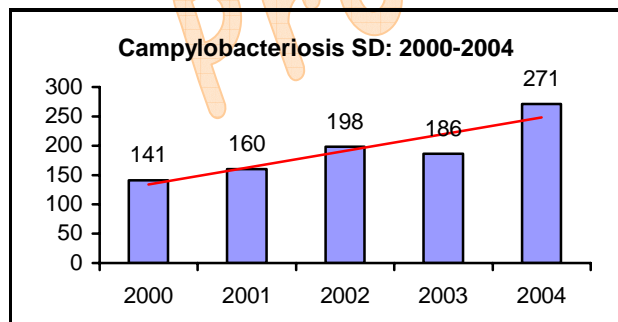
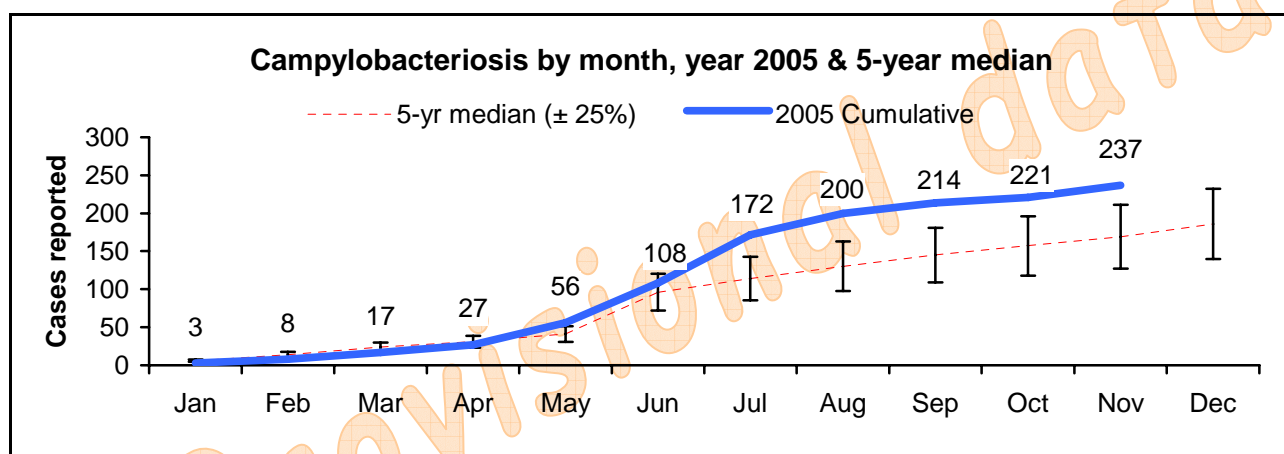
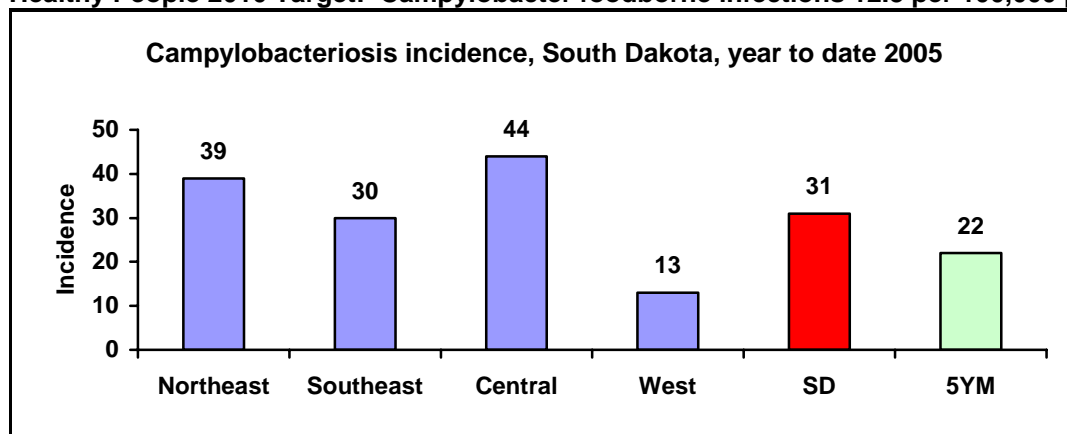
*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

Population based on 2003 estimates

CAMPYLOBACTERIOSIS															
REGION	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
NorthEast Region	176,361	68	38.6	0	0	3	5	8	19	19	8	3	2	1	
SouthEast Region	248,114	74	29.8	1	4	1	2	6	11	17	13	6	3	10	
Central Region	158,182	70	44.3	1	1	4	2	10	18	20	4	3	2	5	
Western Region	188,226	25	13.3	1	0	1	1	5	4	8	3	2	0	0	
West River	233,472	42	18.0	1	0	3	1	8	8	13	3	3	0	2	
East River	537,411	195	36.3	2	5	6	9	21	44	51	25	11	7	14	
South Dakota YTD	770,883	237	30.7	3	5	9	10	29	52	64	28	14	7	16	

Healthy People 2010 Target: Campylobacter foodborne infections 12.3 per 100,000 per year



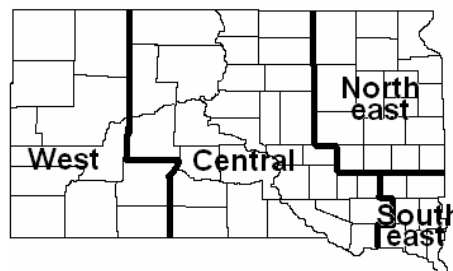
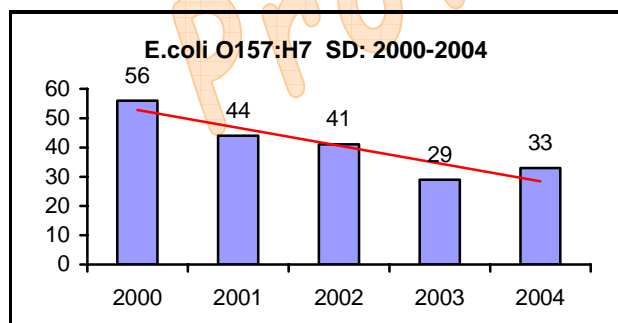
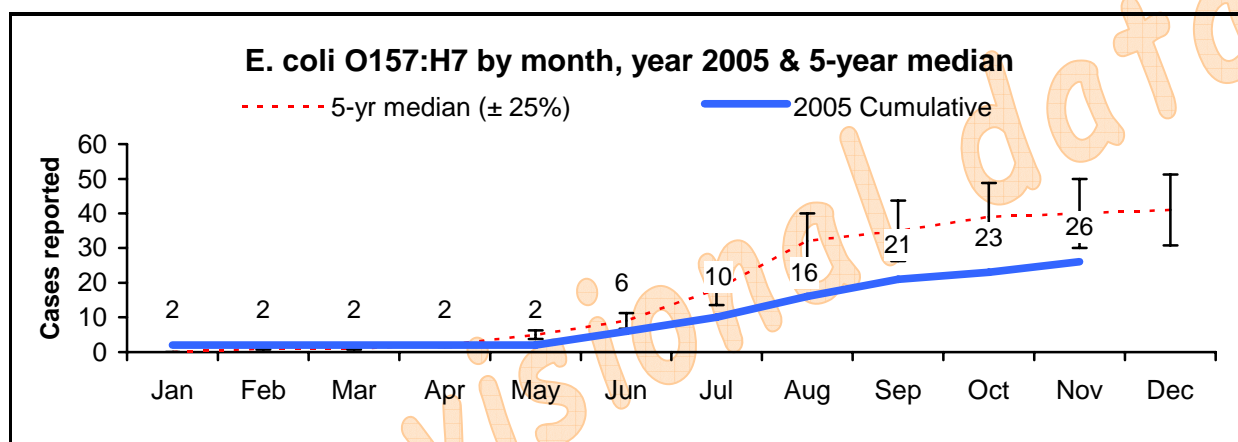
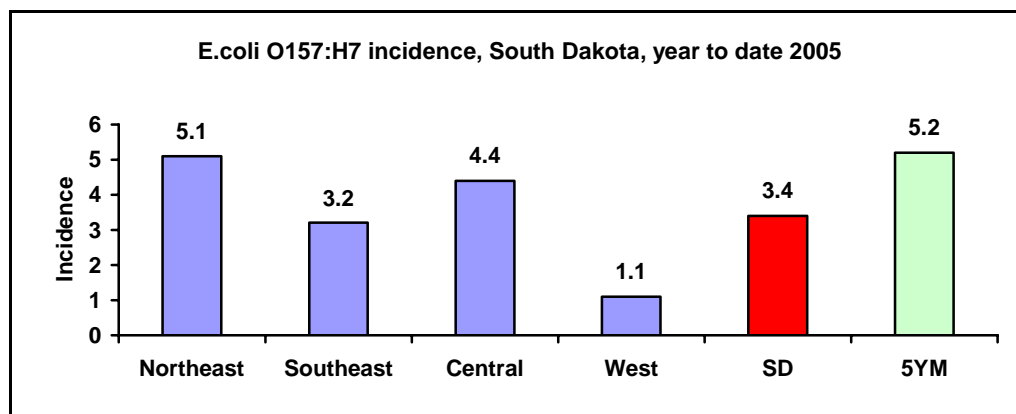
Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

Population based on 2003 estimates

E. coli O157:H7															
REGION	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
NorthEast Region	176,361	9	5.1	0	0	0	0	0	2	2	2	2	1	0	
SouthEast Region	248,114	8	3.2	2	0	0	0	0	1	0	2	1	0	2	
Central Region	158,182	7	4.4	0	0	0	0	0	1	1	1	2	1	1	
Western Region	188,226	2	1.1	0	0	0	0	0	0	1	1	0	0	0	
West River	233,472	3	1.3	0	0	0	0	0	0	1	1	1	0	0	
East River	537,411	23	4.3	2	0	0	0	0	4	3	5	4	2	3	
South Dakota YTD	770,883	26	3.4	2	0	0	0	0	4	4	6	5	2	3	



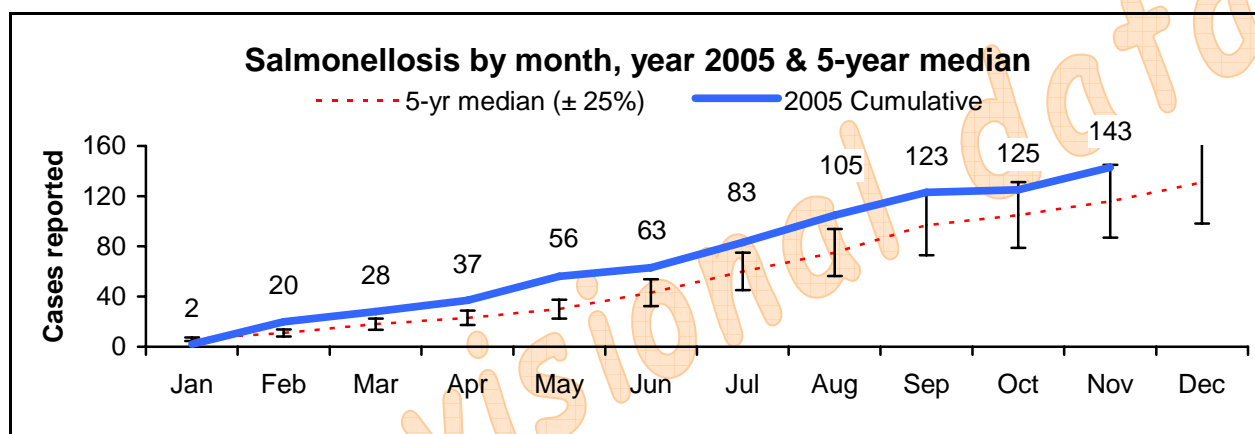
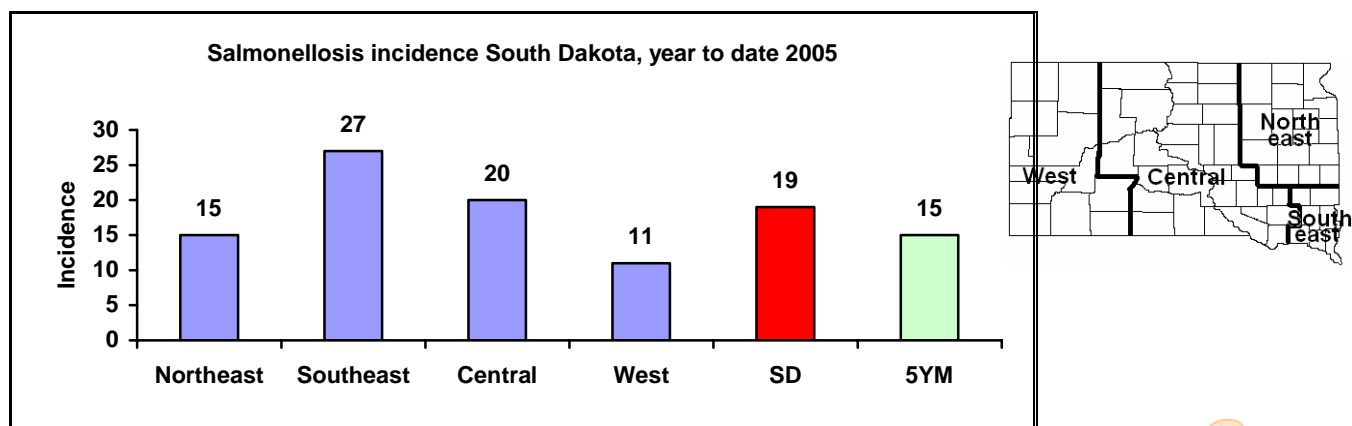
Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

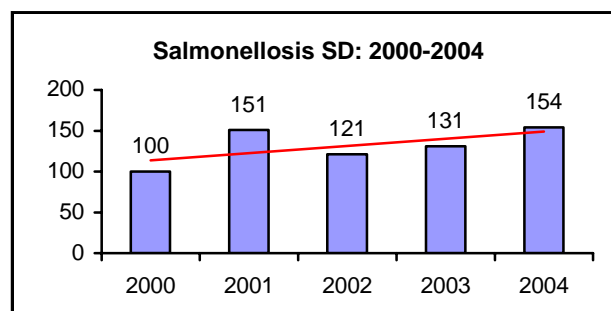
5YM= 5-year median

Population based on 2003 estimates

SALMONELLOSIS															
REGION	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
NorthEast Region	176,361	26	14.7	0	8	3	2	0	2	2	2	3	0	4	
SouthEast Region	248,114	66	26.6	1	6	1	3	9	3	14	12	10	1	6	
Central Region	158,182	31	19.6	1	2	2	1	5	2	4	6	2	1	5	
Western Region	188,226	20	10.6	0	2	2	3	5	0	0	2	4	0	2	
West River	233,472	29	12.4	1	2	3	4	6	0	0	4	4	0	5	
East River	537,411	114	21.2	1	16	5	5	13	7	20	18	15	2	12	
South Dakota YTD	770,883	143	18.6	2	18	8	9	19	7	20	22	19	2	17	



Salmonella serotype	TOTAL
S. branderup	3
S. derby	4
S. enteritidis	21
S. heidelberg	6
S. infantis	9
S. montevideo	4
S. newport	7
S. oranienberg	4
S. paratyphi B	3
S. typhimurium	42
Other serotypes	40
TOTAL	143



Incidence = cases reported per 100,000 population.

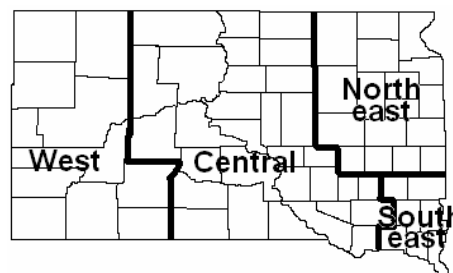
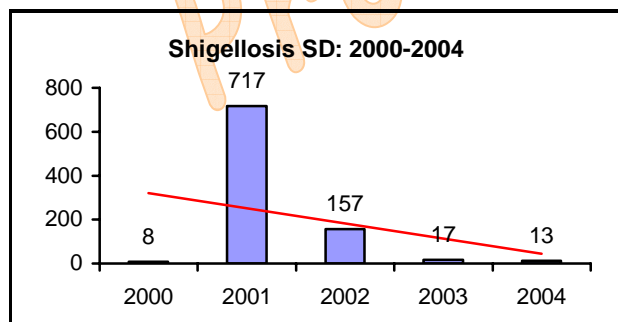
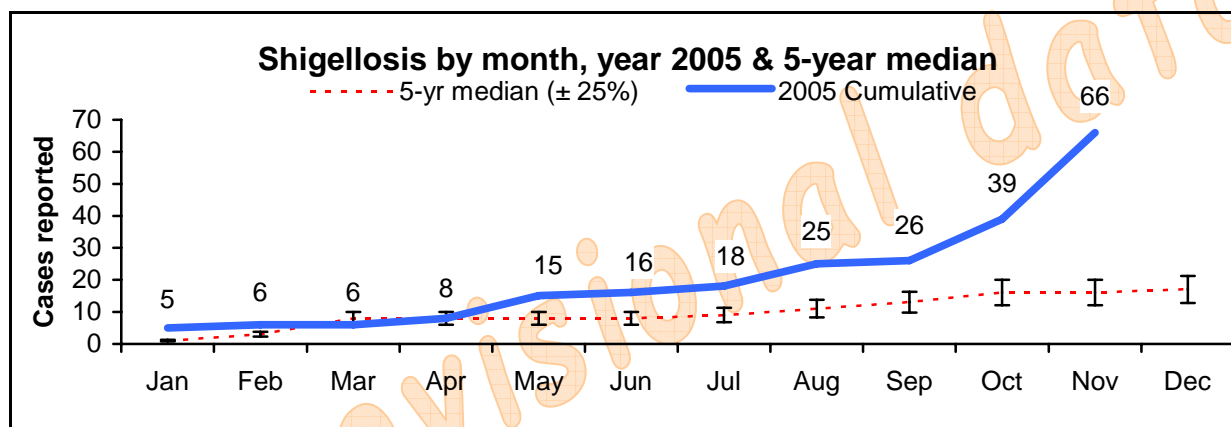
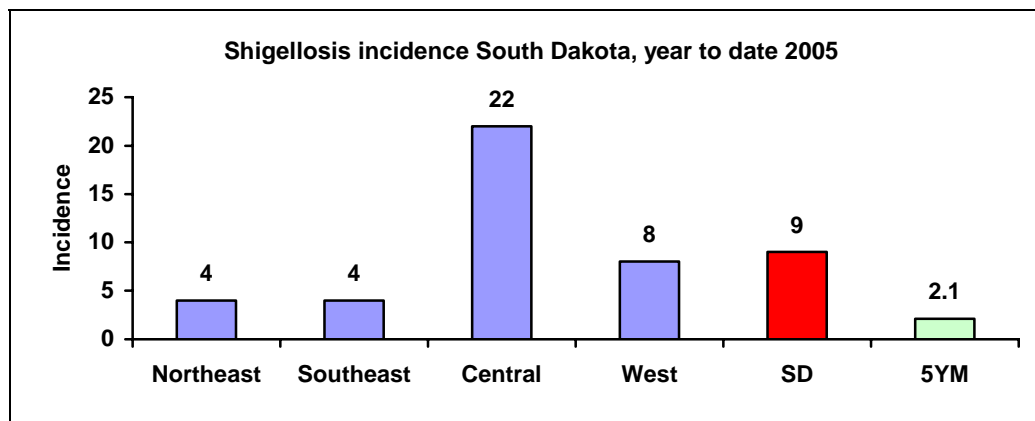
*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

Population based on 2003 estimates

SHIGELLOSIS															
REGION	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
NorthEast Region	176,361	7	4.0	0	0	0	0	7	0	0	0	0	0	0	
SouthEast Region	248,114	10	4.0	0	1	0	0	0	1	0	0	1	3	4	
Central Region	158,182	34	21.5	5	0	0	1	0	0	0	0	0	7	21	
Western Region	188,226	15	8.0	0	0	0	1	0	0	2	7	0	3	2	
West River	233,472	21	9.0	3	0	0	2	0	0	2	7	0	4	3	
East River	537,411	45	8.4	2	1	0	0	7	1	0	0	1	9	24	
South Dakota YTD	770,883	66	8.6	5	1	0	2	7	1	2	7	1	13	27	

Shigella species: *Shigella sonnei* 90%, *Shigella boydii* 10%



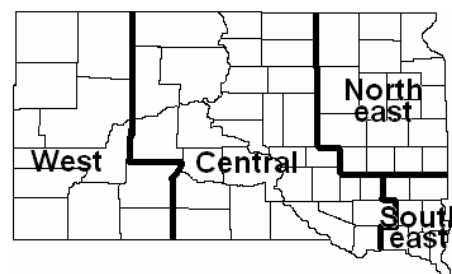
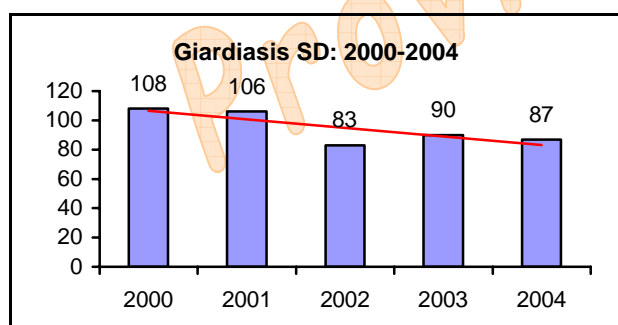
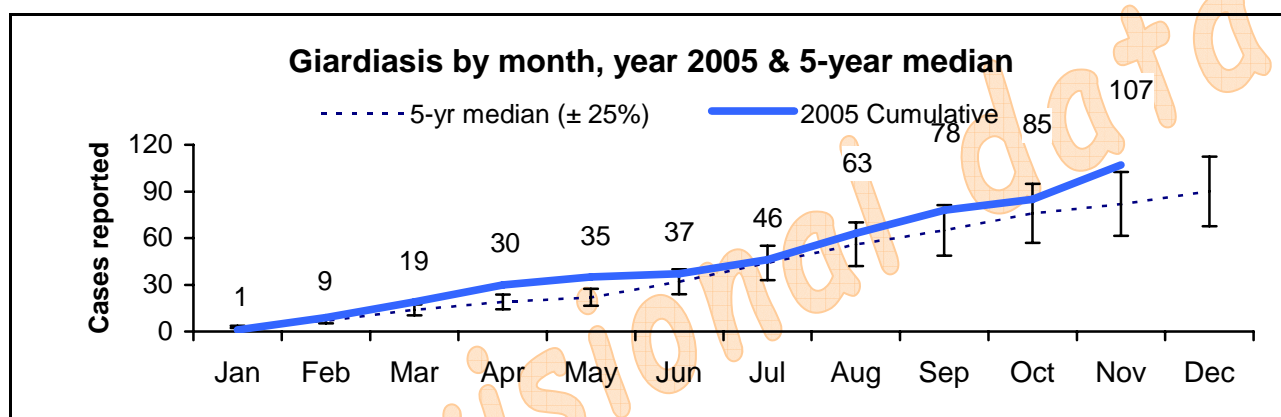
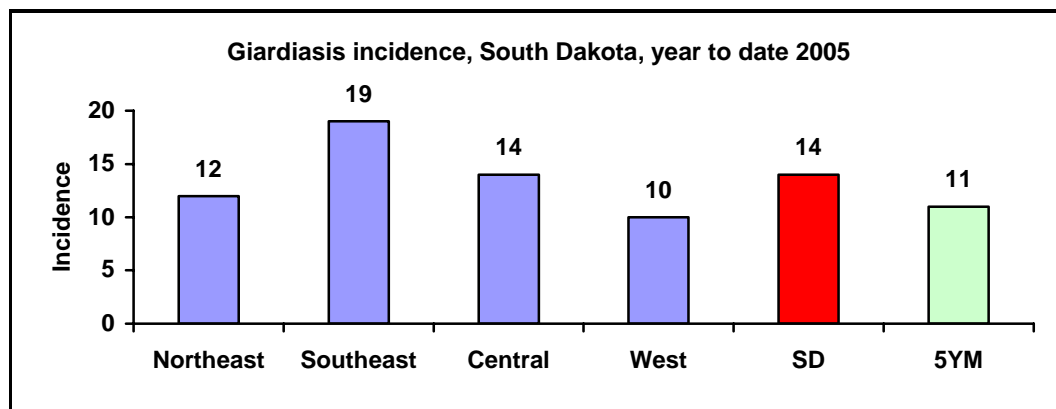
Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

Population based on 2003 estimates

GIARDIASIS															
REGION	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
NorthEast Region	176,361	21	11.9	0	1	4	6	0	2	2	4	1	1	0	
SouthEast Region	248,114	46	18.5	0	4	1	4	3	0	5	5	5	3	16	
Central Region	158,182	22	13.9	1	3	2	1	1	0	1	5	6	1	1	
Western Region	188,226	18	9.6	0	0	3	0	1	0	1	3	3	2	5	
West River	233,472	23	9.9	0	3	4	0	1	0	1	3	4	2	5	
East River	537,411	84	15.6	1	5	6	11	4	2	8	14	11	5	17	
South Dakota YTD	770,883	107	13.9	1	8	10	11	5	2	9	17	15	7	22	



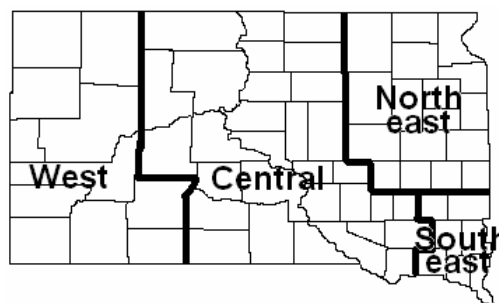
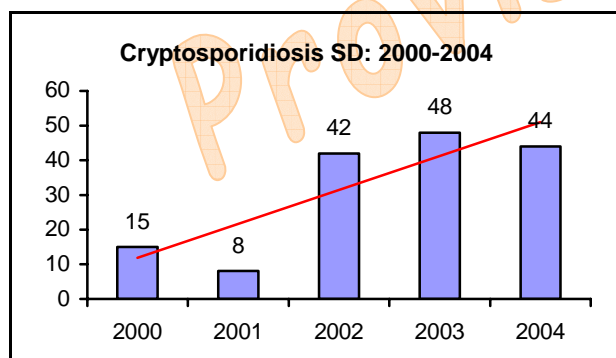
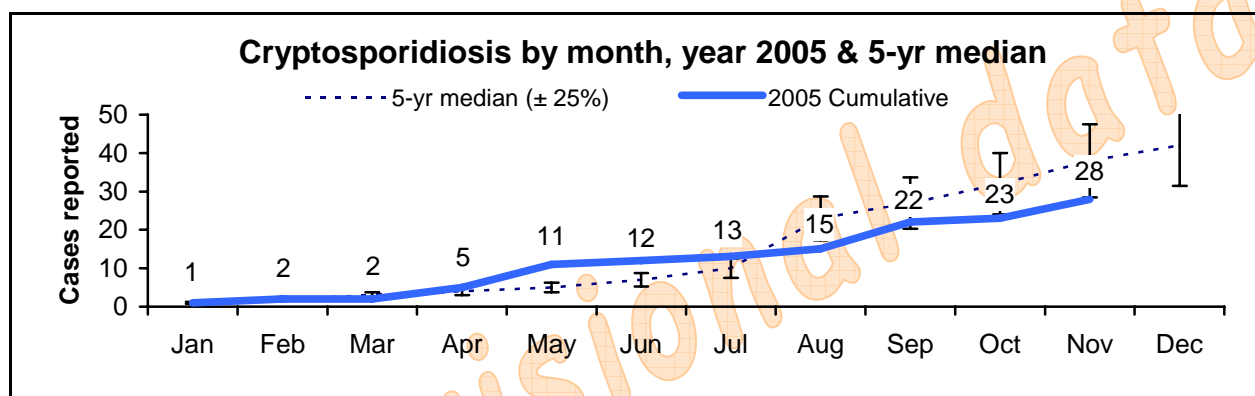
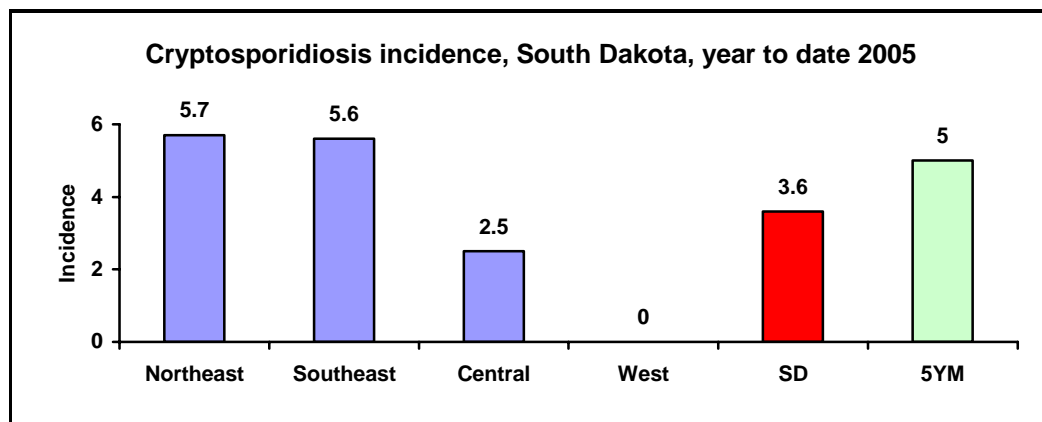
Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

Population based on 2003 estimates

CRYPTOSPORIDIOSIS															
REGION	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
NorthEast Region	176,361	10	5.7	0	1	0	2	2	1	1	0	2	0	1	
SouthEast Region	248,114	14	5.6	1	0	0	1	1	0	0	2	4	1	4	
Central Region	158,182	4	2.5	0	0	0	0	3	0	0	0	1	0	0	
Western Region	188,226	0	0.0	0	0	0	0	0	0	0	0	0	0	0	
West River	233,472	0	0.0	0	0	0	0	0	0	0	0	0	0	0	
East River	537,411	28	5.2	1	1	0	3	6	1	1	2	7	1	5	
South Dakota YTD	770,883	28	3.6	1	1	0	3	6	1	1	2	7	1	5	



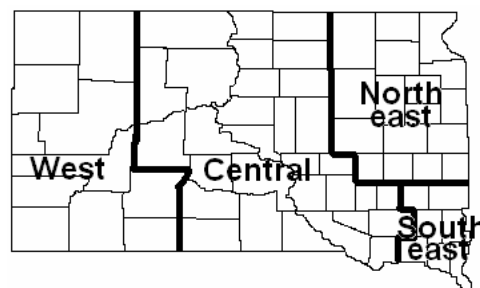
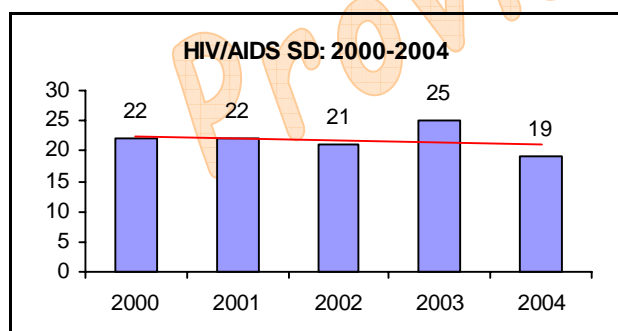
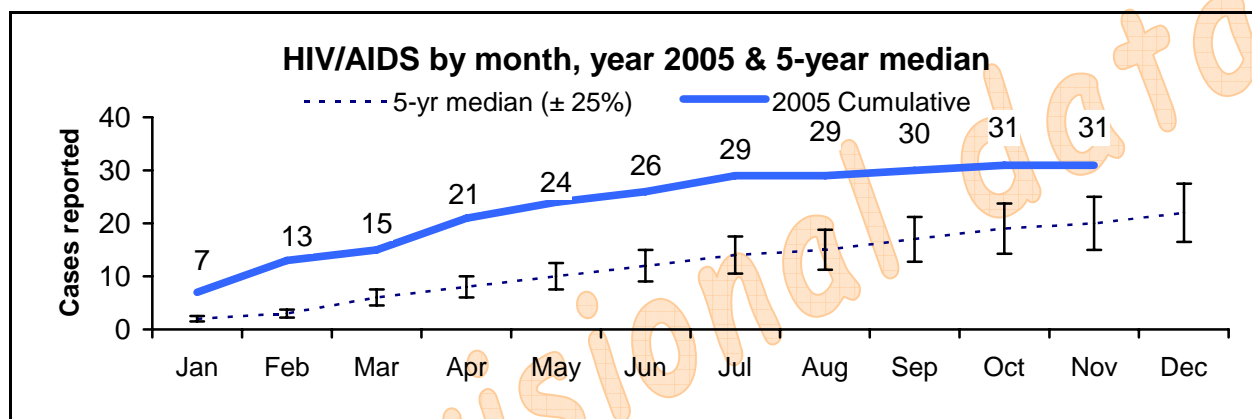
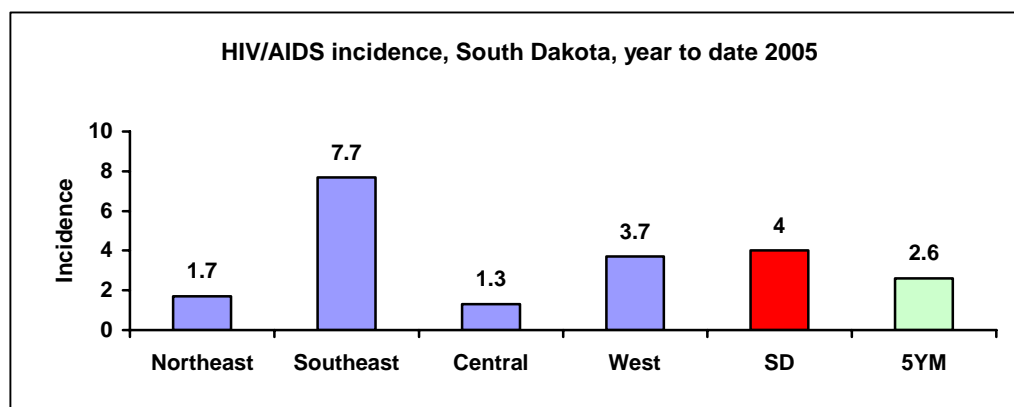
Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

Population based on 2003 estimates

HIV / AIDS			#	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
REGION	Pop	cases													
NorthEast Region	176,361	3		1.7	0	0	1	0	1	1	0	0	0	0	0
SouthEast Region	248,114	19		7.7	5	4	0	5	0	1	3	0	1	0	0
Central Region	158,182	2		1.3	1	0	1	0	0	0	0	0	0	0	0
Western Region	188,226	7		3.7	1	2	0	1	2	0	0	0	0	1	0
South Dakota YTD	770,883	31		4.0	7	6	2	6	3	2	3	0	1	1	0



Incidence = cases reported per 100,000 population.

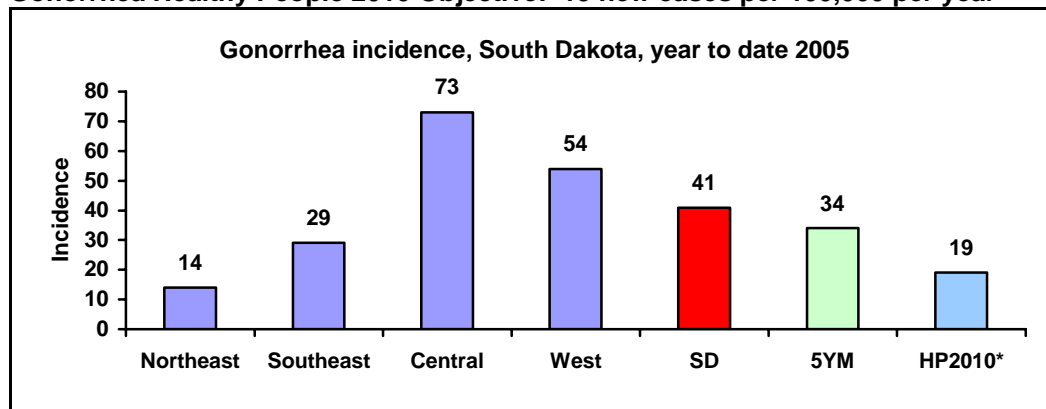
*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

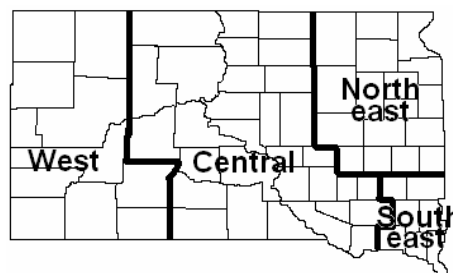
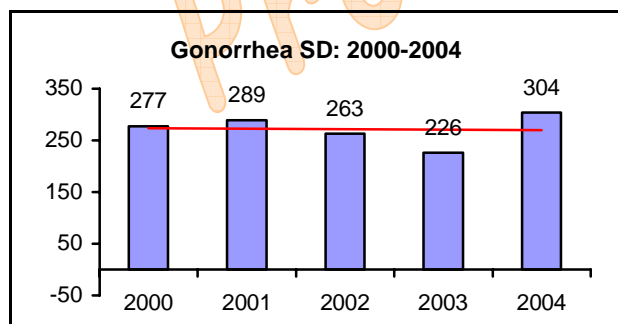
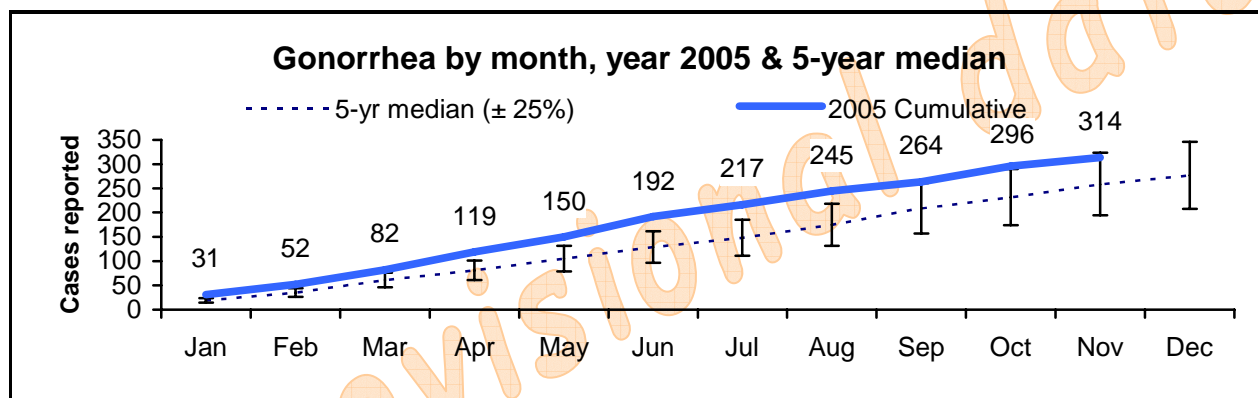
Population based on 2003 estimates

GONORRHEA				Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
REGION	Pop	# cases	Incidence											
NorthEast Region	176,361	24	13.6	3	1	3	2	3	4	2	2	3	0	1
SouthEast Region	248,114	72	29.0	10	5	7	10	3	9	7	9	1	4	7
Central Region	158,182	116	73.3	7	5	11	12	14	13	5	6	10	24	9
Western Region	188,226	102	54.2	11	10	9	13	11	16	11	11	5	3	2
West River	233,472	180	77.1	18	13	15	23	23	26	14	12	10	18	8
East River	537,411	134	24.9	13	8	15	14	8	16	11	16	9	13	11
South Dakota YTD	770,883	314	40.7	31	21	30	37	31	42	25	28	19	31	19

Gonorrhea Healthy People 2010 Objective: 19 new cases per 100,000 per year



*Healthy People 2010 Objective for full year.



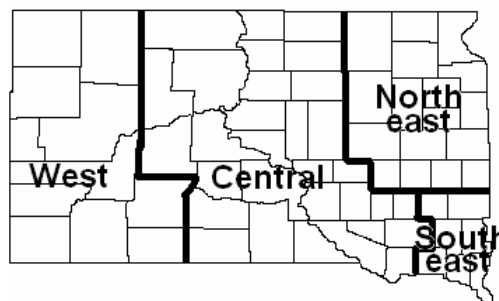
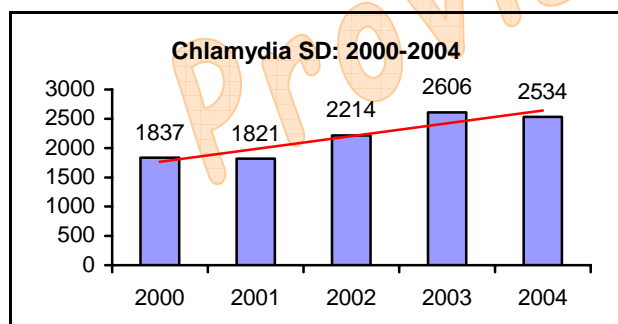
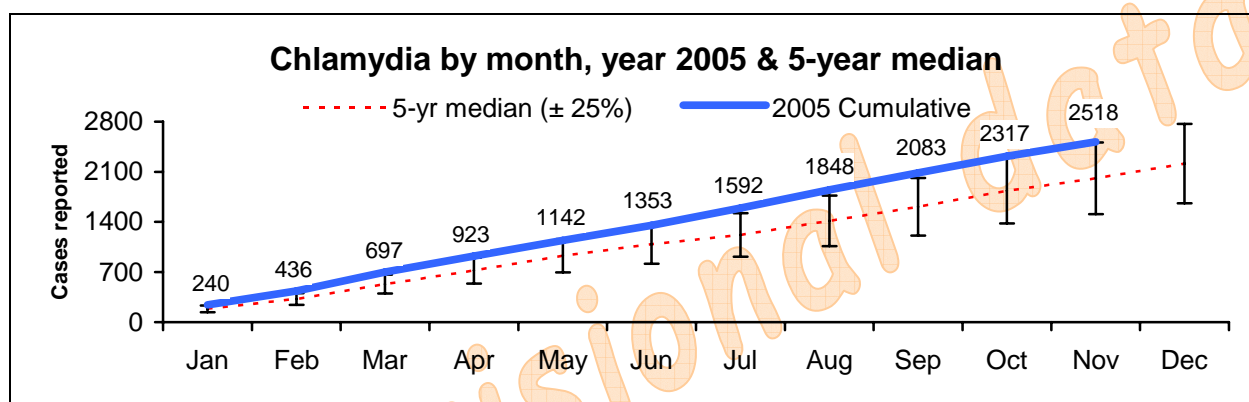
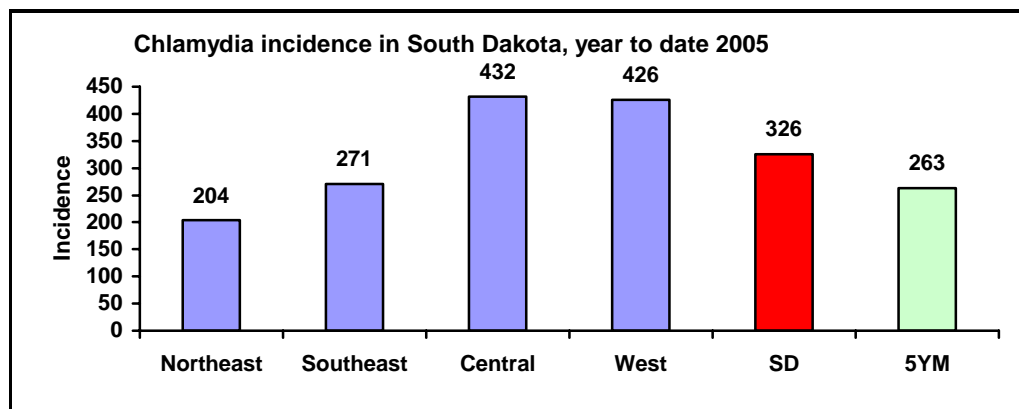
Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

Population based on 2003 estimates

CHLAMYDIA trachomatis															
REGION	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
NorthEast Region	176,361	360	204.1	36	40	50	41	35	19	25	29	38	26	21	
SouthEast Region	248,114	672	270.8	59	51	56	55	60	66	66	72	64	66	57	
Central Region	158,182	684	432.4	56	42	65	74	61	57	76	71	63	66	53	
Western Region	188,226	802	426.1	88	63	90	56	63	68	72	84	70	77	71	
West River	233,472	1,248	534.5	124	100	135	108	98	103	122	132	111	117	98	
East River	537,411	1,270	236.3	115	96	126	118	121	107	117	124	124	118	104	
South Dakota YTD	770,883	2,518	326.6	239	196	261	226	219	210	239	256	235	235	202	



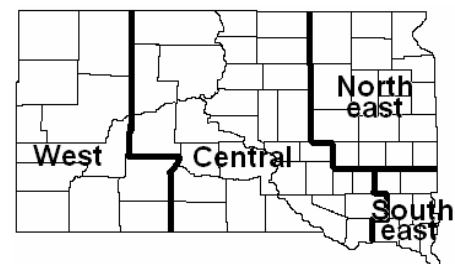
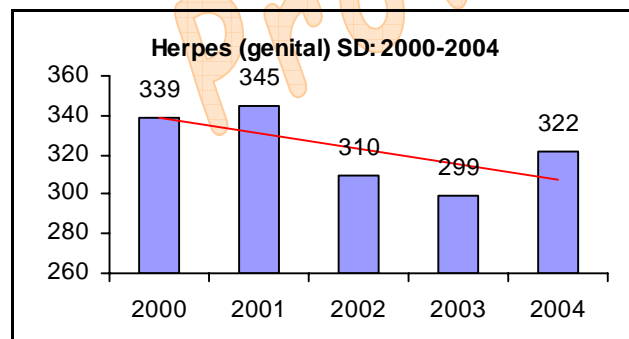
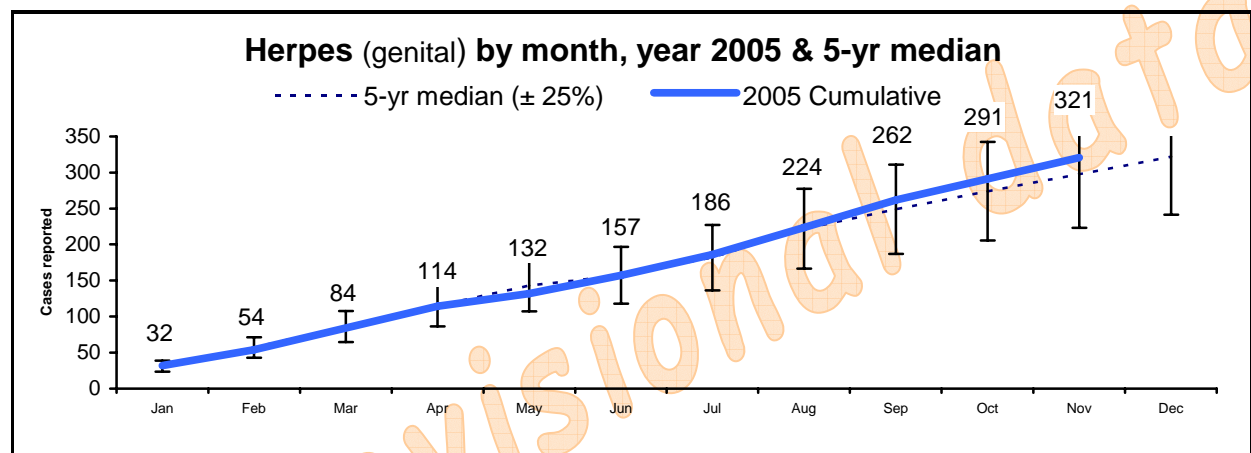
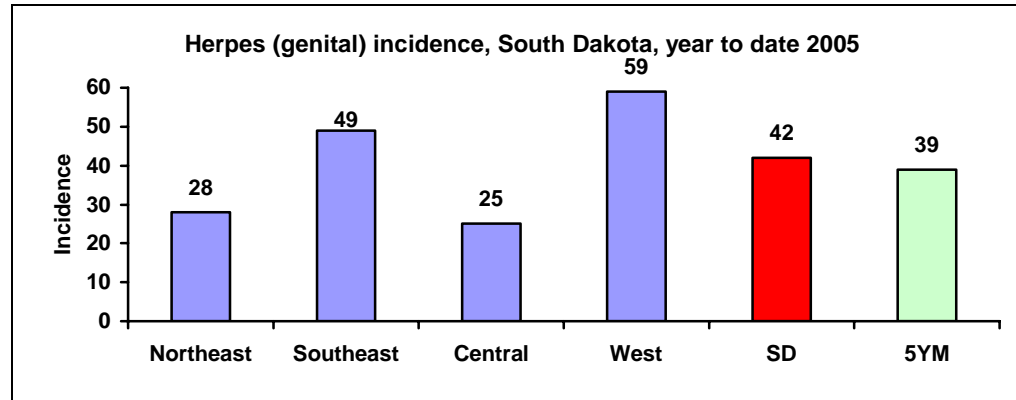
Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

Population based on 2003 estimates

HERPES genital/neonatal															
REGION	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
NorthEast Region	176,361	50	28.4	4	3	5	6	3	3	5	6	5	8	2	
SouthEast Region	248,114	121	48.8	12	11	7	12	6	10	13	15	19	6	10	
Central Region	158,182	39	24.7	4	0	4	6	3	3	3	4	4	5	3	
Western Region	188,226	111	59.0	12	7	14	5	6	9	8	13	10	12	15	
West River	233,472	120	51.4	12	7	15	6	7	10	8	15	11	13	16	
East River	537,411	201	37.4	20	14	15	23	11	15	21	23	27	18	14	
South Dakota YTD	770,883	321	41.6	32	21	30	29	18	25	29	38	38	31	30	



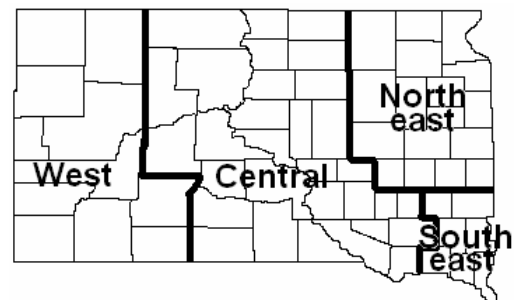
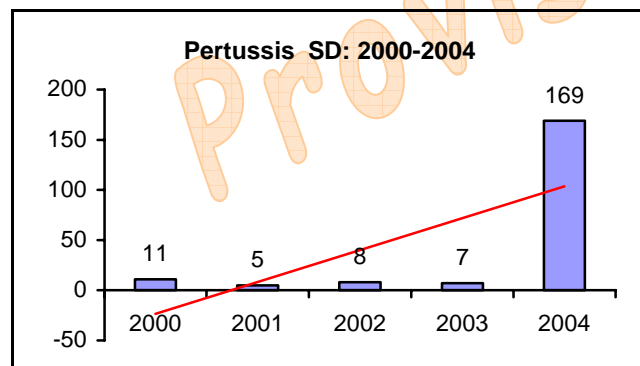
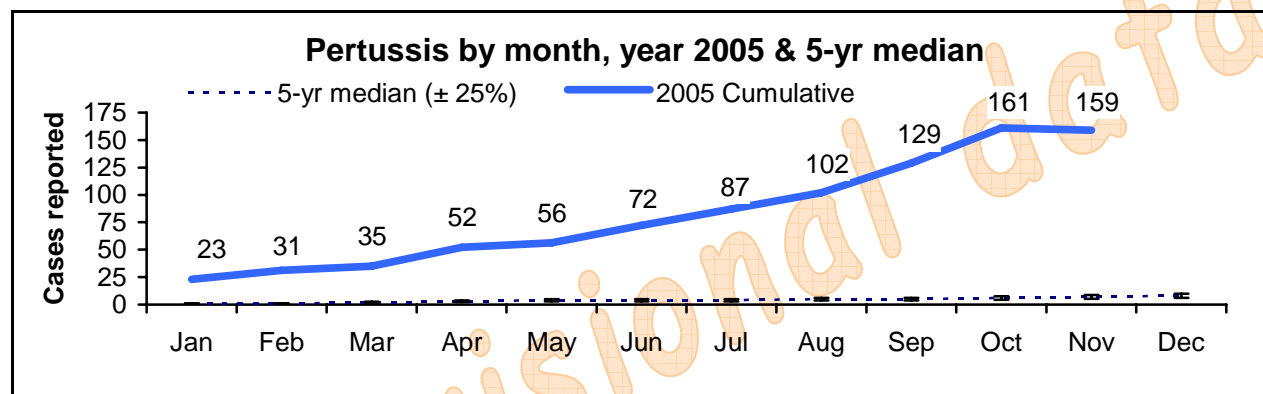
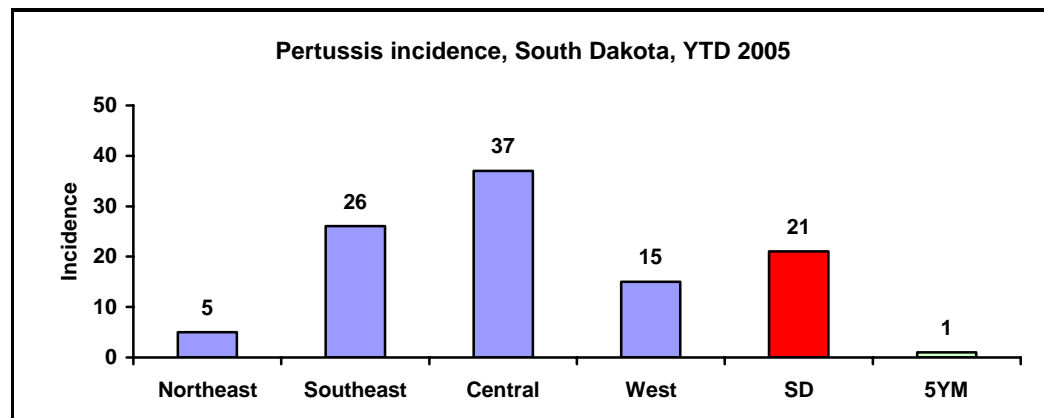
Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

Population based on 2003 estimates

PERTUSSIS				Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
REGION	Pop	# cases	Incidence											
NorthEast Region	176,361	9	5.1	2	0	0	0	3	0	1	0	0	1	2
SouthEast Region	248,114	64	25.8	4	0	1	4	4	13	12	2	16	6	2
Central Region	158,182	58	36.7	12	3	8	1	3	1	1	1	10	17	1
Western Region	188,226	28	14.9	9	7	3	0	1	4	1	1	1	0	1
West River	233,472	52	22.3	13	7	3	0	3	5	1	1	8	10	1
East River	537,411	107	19.9	14	3	9	5	8	13	14	3	19	14	5
South Dakota YTD	770,883	159	20.6	27	10	12	5	11	18	15	4	27	24	6



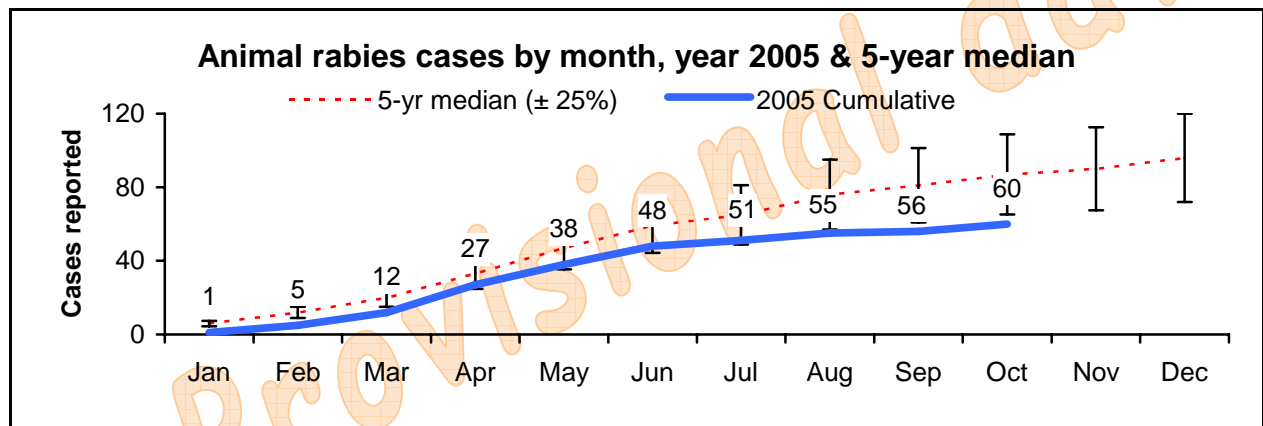
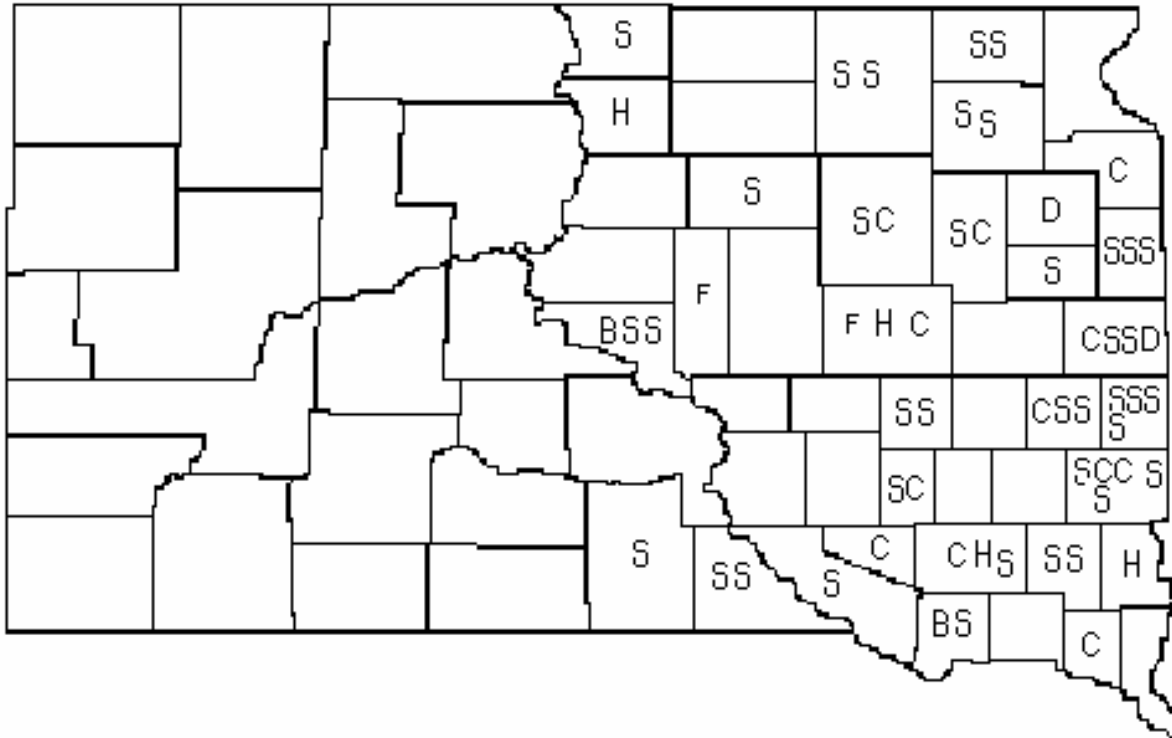
Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

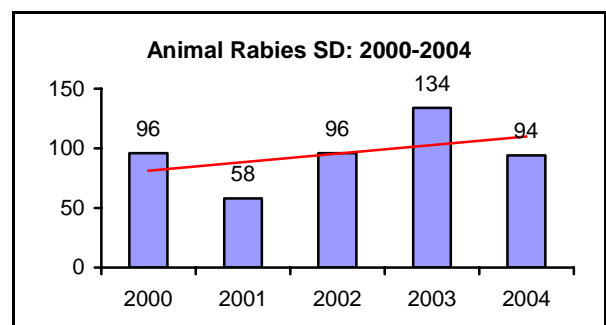
5YM= 5-year median

Population based on 2003 estimates

Animal Rabies in South Dakota, 1 January – 31 October 2005.



Animal	Number tested	Number Positive	% Positive
Bat	93	2	2%
Cattle	103	12	12%
Dog	132	2	2%
Horse	19	4	21%
Cat	186	2	1%
Skunk	58	38	66%
Raccoon	25	0	0%
Other*	34	0	0%
Total	650	60	9%



*Other animals tested: badger, goat, coyote, deer, fox, gopher, mouse, opossum, rabbit, sheep, squirrel, tiger, vole, wolf and woodchuck .

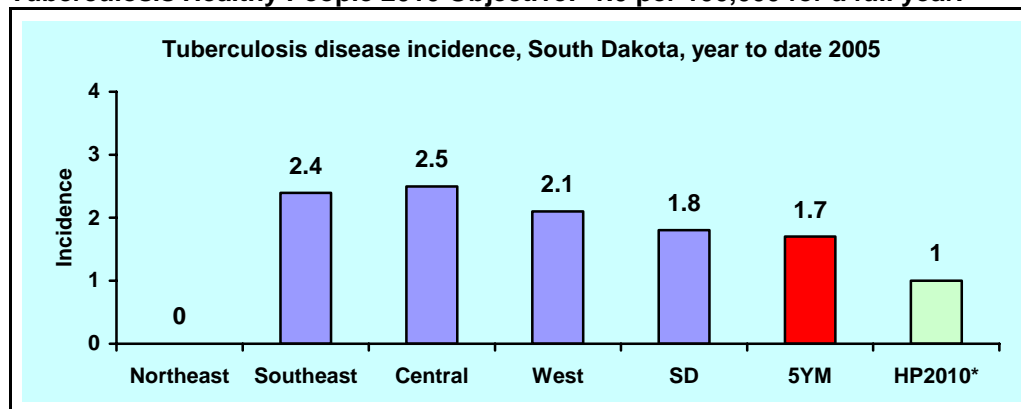
Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

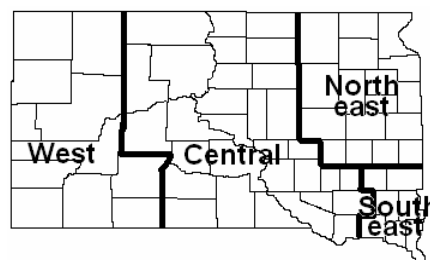
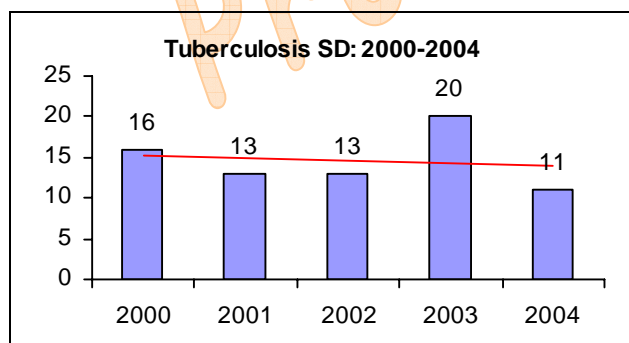
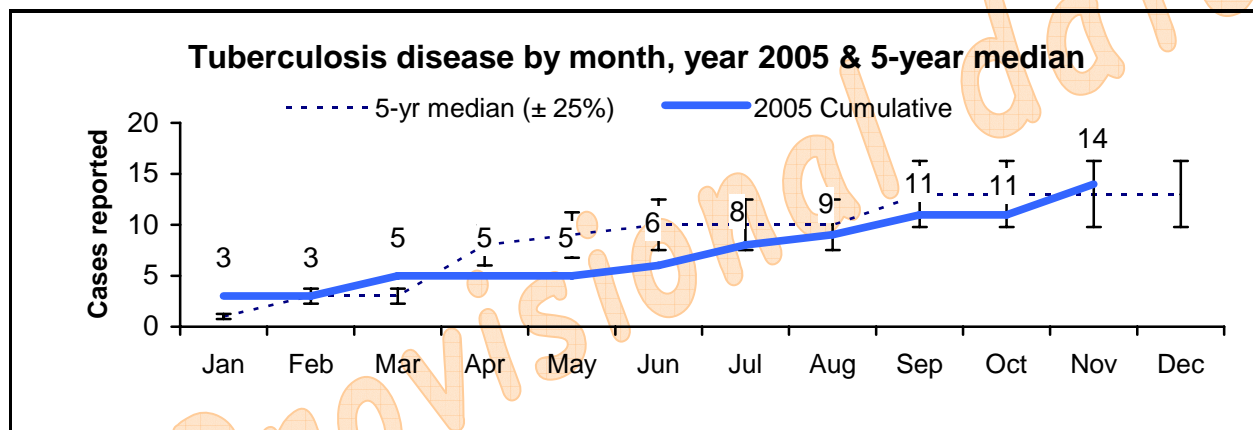
5YM= 5-year median
 Population based on 2003 estimates

TUBERCULOSIS DISEASE															
REGION	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
NorthEast Region	176,361	0	0.0	0	0	0	0	0	0	0	0	0	0	0	
SouthEast Region	248,114	6	2.4	2	0	1	0	0	0	1	0	0	0	2	
Central Region	158,182	4	2.5	1	0	0	0	0	1	1	0	1	0	0	
Western Region	188,226	4	2.1	0	0	1	0	0	0	0	1	1	0	1	
West River	233,472	7	3.0	1	0	1	0	0	0	1	1	2	0	1	
East River	537,411	7	1.3	2	0	1	0	0	1	1	0	0	0	2	
South Dakota YTD	770,883	14	1.8	3	0	2	0	0	1	2	1	2	0	3	

Tuberculosis Healthy People 2010 Objective: 1.0 per 100,000 for a full year.



*Healthy People 2010 Objective for full year.



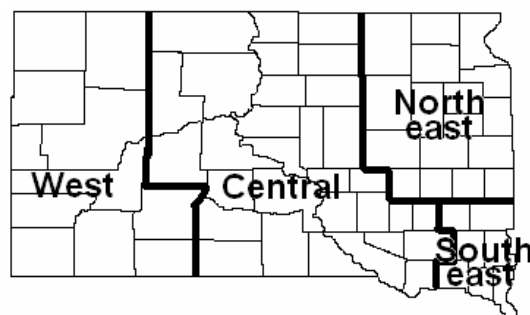
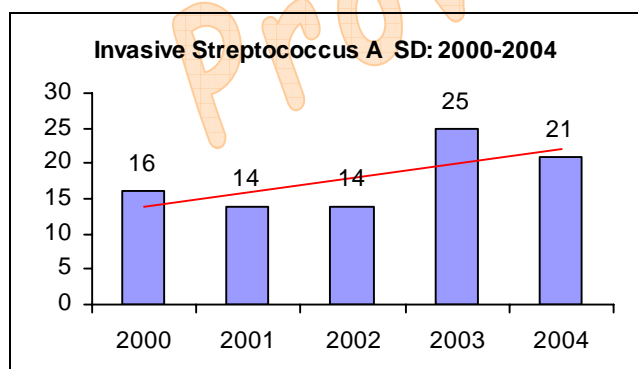
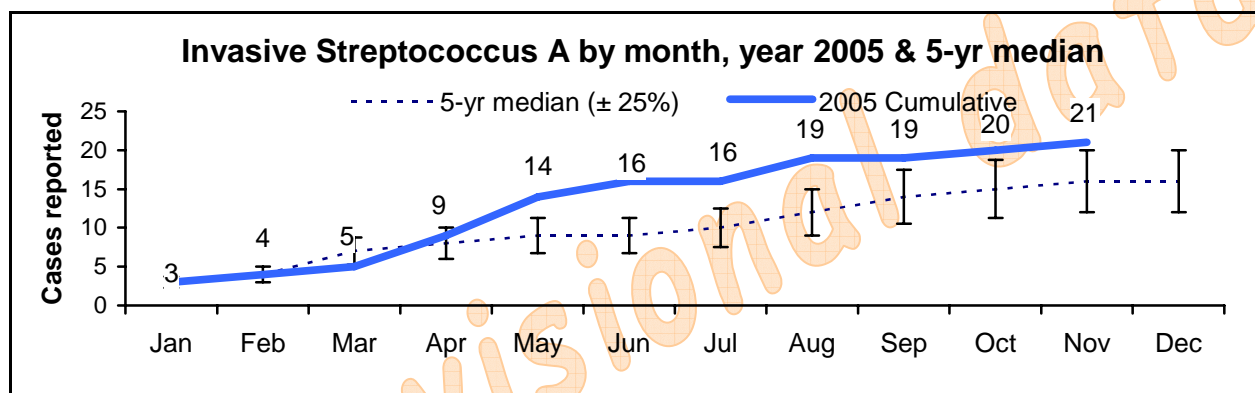
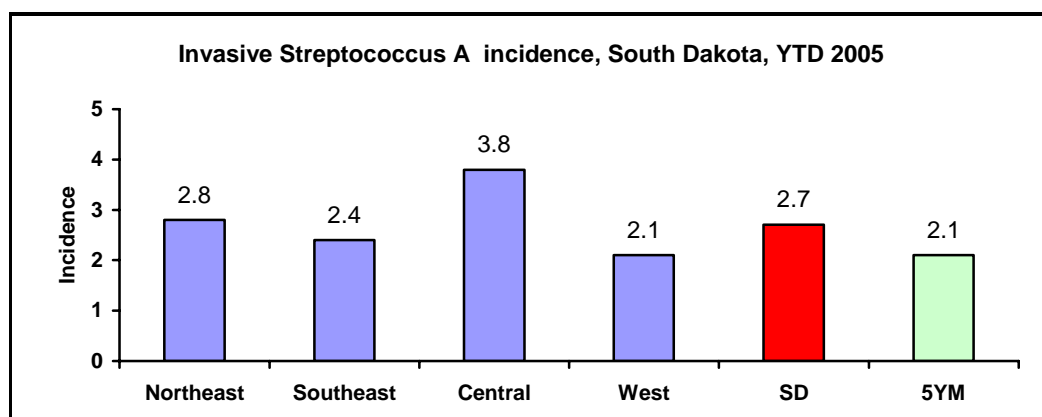
Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

Population based on 2003 estimates

STREPTOCOCCUS GROUP A, Invasive				Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
REGION	Pop	#cases	Incidence											
NorthEast Region	176,361	5	2.8	0	1	0	0	1	1	0	0	0	1	1
SouthEast Region	248,114	6	2.4	1	0	0	1	4	0	0	0	0	0	0
Central Region	158,182	6	3.8	2	0	1	3	0	0	0	0	0	0	0
Western Region	188,226	4	2.1	0	0	0	0	0	1	0	3	0	0	0
West River	233,472	7	3.0	2	0	1	0	0	1	0	3	0	0	0
East River	537,411	14	2.6	1	1	0	4	5	1	0	0	0	1	1
South Dakota YTD	770,883	21	2.7	3	1	1	4	5	2	0	3	0	1	1



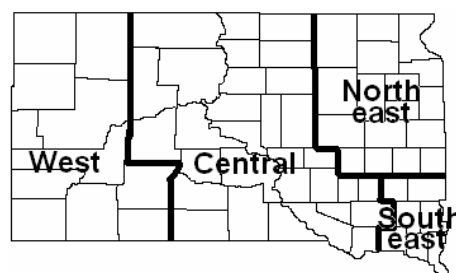
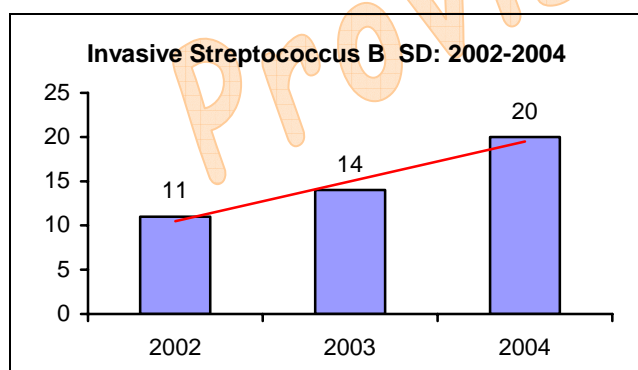
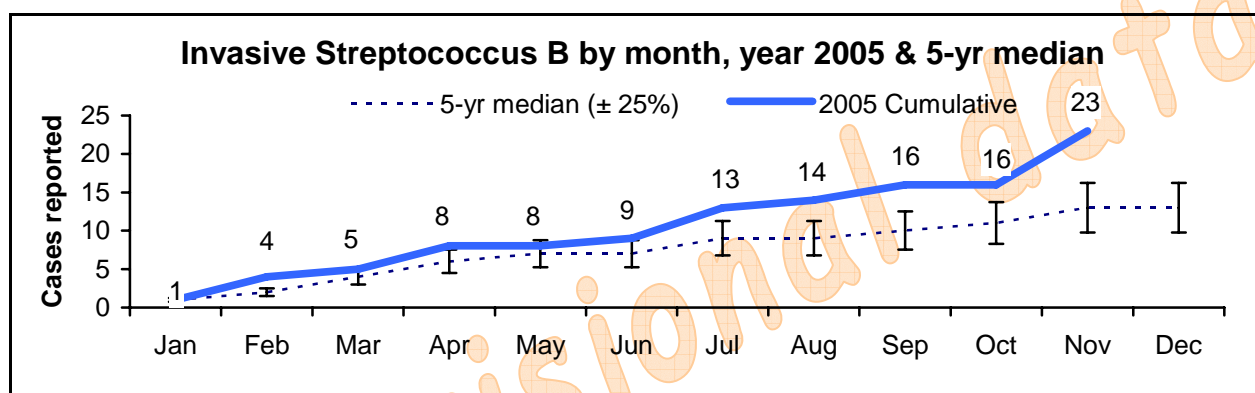
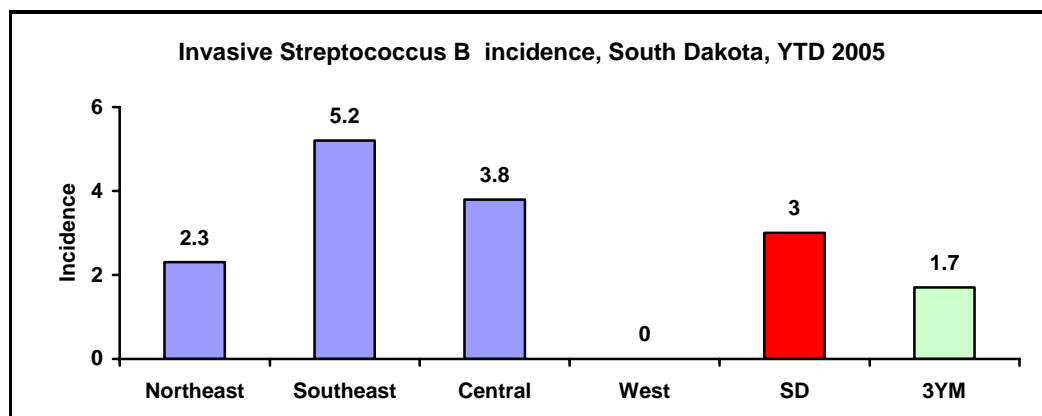
Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

Population based on 2003 estimates

STREPTOCOCCUS GROUP B, Invasive				Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov
REGION	Pop	#cases	Incidence											
NorthEast Region	176,361	4	2.3	0	0	0	0	0	1	2	0	0	0	1
SouthEast Region	248,114	13	5.2	1	3	0	3	0	0	2	0	1	0	3
Central Region	158,182	6	3.8	0	0	1	0	0	0	0	1	1	0	3
Western Region	188,226	0	0.0	0	0	0	0	0	0	0	0	0	0	0
West River	233,472	4	1.7	0	0	1	0	0	0	0	1	0	0	2
East River	537,411	19	3.5	1	3	0	3	0	1	4	0	2	0	5
South Dakota YTD	770,883	23	3.0	1	3	1	3	0	1	4	1	2	0	7



Other low incidence or newly Reportable Diseases in South Dakota, YTD2005

- Botulism, wound, 1 case
- Shiga-toxin producing *E. coli*, non-0157:H7, 3 cases
- Hemolytic uremic syndrome, 3 cases
- Syphilis, primary or secondary, 1 case
- Legionnaires disease, 19 cases (17 in West, 1 in Central and 1 in Southeast Region)
- Hantavirus pulmonary syndrome, 2 cases
- Lyme disease, 2 case
- Hepatitis B, acute 4 cases; chronic 4 cases
- Hepatitis C, chronic 1 case
- Meningococcal disease, 4 cases (3 serogroup Y, 1 serogroup C), 2 in Southeast, 1 in Central and 1 in West Region.
- Q Fever, 1 case
- Rocky Mountain spotted fever, 5 cases (4 in West and 1 in Northeast Region)
- *Streptococcus pneumoniae*, drug resistant, 3 cases
- Toxic Shock Syndrome, *Staphylococcus aureus*, 1 case
- Toxic Shock Syndrome, *Streptococcus pyogenes*, 1 case
- Tularemia, 8 cases (6 cases in Central and 2 cases in West Region)
- Yersiniosis, 1 case (*Y. enterocolitica* NOT *Y. pestis*)

MRSA, Invasive															
Region	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
NorthEast Region	176,361	9	5.1	1	1	2	1	1	0	0	1	0	1	1	
SouthEast Region	248,114	24	9.7	3	0	5	2	1	3	0	6	0	4	0	
Central Region	158,182	9	5.7	0	1	3	0	0	2	0	1	0	0	2	
Western Region	188,226	0	0.0	0	0	0	0	0	0	0	0	0	0	0	
West River	233,472	2	0.9	0	0	1	0	0	0	0	1	0	0	0	
East River	537,411	40	7.4	4	2	9	3	2	5	0	7	0	5	3	
South Dakota YTD	770,883	42	5.4	4	2	10	3	2	5	0	8	0	5	3	

*Methicillin-resistant *Staphylococcus aureus* isolated from a normally sterile site such as blood or cerebral spinal fluid and joint, pleural, or pericardial fluid.

CHICKEN POX (varicella)															
REGION	Pop	# cases	Incidence	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	
NorthEast Region	176,361	25	14.2	4	3	0	5	0	0	0	1	0	7	5	
SouthEast Region	248,114	58	23.4	0	2	3	16	1	0	9	1	4	8	14	
Central Region	158,182	29	18.3	0	4	4	3	4	3	0	1	0	1	9	
Western Region	188,226	16	8.5	2	4	3	3	0	0	2	0	0	1	1	
West River	233,472	30	12.8	2	6	3	3	1	1	2	0	0	2	10	
East River	537,411	98	18.2	4	7	7	24	4	2	9	3	4	15	19	
South Dakota YTD	770,883	128	16.6	6	13	10	27	5	3	11	3	4	17	29	

Incidence = cases reported per 100,000 population.

*Confidential disease reporting line 1-800-592-1804

5YM= 5-year median

Population based on 2003 estimates